



GATE SIZE SELECTION TABLE

OPERATING HEAD ON GATE (inches)	GATE SIZE — diameter in inches							
	8		10		12		15	
	* CAPACITY — GATE FLOWING FULL							
	cfs	gpm	cfs	gpm	cfs	gpm	cfs	gpm
1/2	.41	185	.66	297	.91	410	1.55	698
1	.56	252	.91	410	1.30	585	2.18	981
1 1/2	.66	297	1.10	495	1.61	724	2.67	1202
2	.77	346	1.24	558	1.87	842	3.08	1386
4	1.09	491	1.81	815	2.69	1210	4.32	1944
6	1.35	608	2.22	999	3.25	1463	5.27	2372

* Based on the use of a 4 foot length of corrugated metal pipe.

NOTES:

This drawing requires supporting technical documentation prior to use and must be adapted to the specific site.

Gate can be slide type; wheel, lever or hand actuated; or a hinged or flat type.

Provide extra pipe length wherever needed.

To produce the flows shown, the top of the pipe at the outlet end must be at or slightly below the operating water surface in the field.

Install with the pipe level and the gate positioned so slide will rise vertically.

Protect area at outlet end with rock riprap wherever soil erosion may take place.

Bed pipe by shaping trench and/or by backfilling with thoroughly tamped soil. Compact backfill to at least 3 inches above the top of pipe.

Practice Code _____ Job Class _____

Drawing not to scale

Designed _____	Date _____	CAD FILE NAME OR_DITCH_TURNOUT.DWG	FARM FIELD DITCH TURNOUT
Drawn _____	2/2005	DRAWING NO. _____	
Checked _____	_____	SHEET _____ OF _____	
Approved _____	_____	IRRIGATION	
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE			